CLAIMS:

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A lithographic projection apparatus, comprising:

a radiation system for supplying a projection beam of radiation;

a mask table provided with a mask holder for holding a mask;

a substrate table provided with a substrate holder for holding a substrate;

a projection system for imaging an irradiated portion of the mask onto a target portion of the substrate; and

a preparatory station comprising an intermediate table on which a substrate can be positioned before transfer to the substrate table;

characterized in that the intermediate table comprises a major surface provided
with a plurality of apertures, and gas bearing means for generating a gas bearing between said
major surface and a substrate located thereon.

- 2. An apparatus according to claim 1, characterized in that said preparatory station comprises gas ionizing means for ionizing said gas.
- 3. An apparatus according to claim 1 or 2, characterized in that said intermediate table comprises first control means for regulating the temperature of that table.
  - 4. An apparatus according to claim 1, 2 or 3, characterized in that said gas bearing has a thickness less than 150 μm.
  - 5. An apparatus according to claim 1-4, characterized in that said preparatory station comprises second control means for regulating the temperature of said gas.
- 6. An apparatus according to claim 3 or 5, characterized in that said first and/or said second control means maintain the intermediate table and the gas at a temperature substantially equal to the temperature of the substrate table.
  - 7. An apparatus according to claim 1-6, characterized in that said apparatus further comprises:
- detecting means for detecting a first position of said substrate on said intermediate table;

calculating means for calculating a required displacement between said first position and a desired position of the substrate on the intermediate table; and

position.

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moving means for moving said substrate from said first position to said desired

An apparatus according to claim 7, characterized in that said detecting means are constructed and arranged to detect an edge of the substrate.

- An apparatus according to claim 7 or 8, characterized in that said detecting means are constructed and arranged to detect a mark on the substrate.
  - 10. A device manufacturing method comprising the steps of:
    - (a) providing a mask table with a mask which contains a pattern,
    - (b) providing a substrate table with a substrate which is at least partially covered by a layer of radiation-sensitive material, and
  - (c) using a projection beam of radiation to project an irradiated part of the mask onto a target area of the layer of radiation-sensitive material; characterized in that prior to step (b) the following steps are carried out:

providing the substrate to an intermediate table comprising a major surface

provided with a plurality of apertures, and maintaining the substrate for a given time interval upon a gas bearing generated between the said major surface and the substrate.

11. A device manufactured in accordance with a method as claimed in claim 10.

12. A substrate preparing device comprising an intermediate table on which a substrate can be positioned before transfer to a substrate table in a lithographic projection apparatus;

characterized in that the intermediate table comprises a major surface provided with a plurality of apertures, and gas bearing means for generating a gas bearing between said major surface and a substrate located thereon.

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